

Test Automation Made Simple with Chrome DevTools Recorder

Agenda

1. Introduction

- i. Sharing a Story
- ii. The Current Challenge

2. DevTools Recorder Benefits

- i. Simplifying Test Creation with DevTools Recorder
- ii. Enhancing Debugging with DevTools Recorder
- iii. Integration & Extensibility

3. Demo

Introduction

- **Who am I?**
 - Co-Founder of GeoSTQB
 - Founder of Owloops
 - QA/DevOps Engineer at Toptal
- **Recent Achievements:**
 - Interviewed 170+ QA engineers worldwide
 - Created AI Printed Art and the Georgian programming language, Ena

Sharing a Story

- Joining a banking institution: Encountered outdated test framework
- Modernization efforts: Ran into maintenance challenges
- The power of Google Chrome Recorder: A wish during testing challenges

The Current Challenge

- Need for better tooling across multiple projects
- The recurring cycle: Build, Cover, Refactor, Fail, Repeat
- Tool utility: Not for complex features, but to save time

Simplifying Test Creation with DevTools Recorder

1. **Streamlined Step Addition:** No need for extensive scripting
2. **Efficient Assertion Handling:** Quick introduction and validation
3. **Effective Element Selection:** Identifies stable selectors

Enhancing Debugging with DevTools Recorder

1. **Step-by-Step Execution:** Understand each action's outcome
2. **Breakpoint Inspection:** Valuable for inspecting actions
3. **Network Condition Simulation:** Understand varied scenario behaviors

Integration & Extensibility

1. **Easy Pipeline Integration:** Seamless integration into CI/CD
2. **Reproducible Test Results:** Easier with Chrome Recorder
3. **Adaptable Tool Design:** Convert recordings to tests for Cypress, Puppeteer, etc.

Demo

- Preconditions: Activate the recorder panel
- Demo website: <https://coffee-cart-two.vercel.app/>
- CLI tool: Run tests locally (optional)
- Code: <https://github.com/pgagnidze/recorder-demo>

Conclusion

Key Takeaways

- **Efficiency:** Quick test creation and modification.
- **Simplicity:** Democratizing test automation, accessible to all.
- **Integration:** Seamlessly fits within CI/CD pipelines.
- **Versatility:** Serves as a base for multiple testing frameworks.

Final Thought

In our ever-evolving digital landscape, tools like Chrome DevTools Recorder enable us to innovate faster, shifting focus from fixing to creating.

Thank You

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